

ANTELLOFAX 25

CENTRAL INTELLIGENCE AGENCY

CLASSIFICATION

~~SECRET~~/CONTROL - U.S. OFFICIALS ONLY
SECURITY INFORMATION

INFORMATION REPORT

REPORT

CD NO.

COUNTRY Germany (Russian Zone)

DATE DISTR. 28 March 1952

SUBJECT The Manufacture of Turbines by the EKM
Turbinenfabrik, Dresden

NO. OF PAGES 3

DATE OF INFO.

NO. OF ENCLS. (LISTED BELOW)	50X1-HUM
---------------------------------	----------

PLACE
ACQUIRED

SUPPLEMENT TO
REPORT NO.

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES, WITHIN THE MEANING OF TITLE 18, SECTIONS 793 AND 794, OF THE U.S. CODE, AS AMENDED. ITS TRANSMISSION OR REVELATION OF ITS CONTENTS TO OR RECEIPT BY AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW.

THIS IS UNEVALUATED INFORMATION 50X1-HUM

1. The output of the EKM Turbinenfabrik Dresden (formerly Brueckner & Co., Kanis) during the period from 1 January to 30 September 1951, was valued at 1,960,000 DM, compared with 1,213,000 DM for the same period in 1950. The results for 1951 may be tabulated as follows:

	<u>Value</u>
240 new turbines	1,494,000 DM
Spare parts	190,000 DM
Repairs	100,000 DM
Outside work (fitting)	73,000 DM
Contract work	103,000 DM

Total: 1,960,000 DM

or 115% of the planned figure for this period of 1,700,000 DM.

2. The following provisional plan for 1952 was proposed at a meeting of the 50X1-HUM plants' planning committee (BPA) on 21 September:

		<u>Total Power</u>
1	Turbine Type T-250	3 kw
1	T-350	22
2	T-400	30
5	DH0e	75
5	Lok-II	12
2	K-2	172
2	K-3	302
1	K-4	117
2	K-4	578

CONFIDENTIAL

CLASSIFICATION

~~SECRET~~/CONTROL - U.S. OFFICIALS ONLY

[illegible]

Document No. No Change in Class. Declassified Status Changed To: 1S S C Auth.: HR. 70.2 Date: 14 SEP-1978-

CONFIDENTIAL~~SECRET~~/CONTROL - U.S. OFFICIALS ONLY

-2-

		<u>Total Power</u>
5	K-5	1,926
1	K-6	450
2	M-2	960
3	C-3	9,680
1	C-3 Spez.	1,900
1	ET-1200	810
2	ET-1600	3,200
3	M-6	2,350
1	M-7 Spez.	1,500
1	K-R-I	1,725
1	for Buch*	2,208
1	for Berlin	3,200
1	Type Abdampf/51	773
8	Type Abdampf/52	6,184
52	Total	38,177 kw

7 Exhaust-driven turbosuperchargers (Abgas-Turbolader)
 18 Gear and clutch units
 16 Blowers
 Spare parts
 Repairs
 Outside work
 Contract work

3. The factory management hopes that expansion of the factory will be authorized by the Ministry of Machine Construction for 1952. A large new building at entrance B to the factory grounds is to be taken over and it is hoped that the number of employees will be increased to 630 from the present figure of 580. However, only 150,000 DM have as yet been authorized for investment, compared with the 600,000 DM required to carry out these plans.
4. There has been a rapid increase in the number of orders placed with the factories. Orders on hand increased from 2,400,000 DM on 31 December 1950 to 5,100,000 DM on 30 September 1951. Orders to the value of 4,200,000 DM had been received during the period from January to September 1951, whereas production is at present running at the rate of only about 3,100,000 DM per annum. Based on the increased number of orders, the factory management has submitted the following long term plan to VVB EKM and the ministry:
 - a. The factory should produce steam turbines of up to 5,000 kw. instead of being restricted to small turbines as at present.
 - b. The number of employees should be increased to 800.
 - c. Production should be increased to 10,000,000 DM per annum.
 - d. The expenditure of 5,500,000 DM should be authorized for expansion of the factory.
5. During the Five-Year Plan, the factory must complete 90 exhaust steam turbines (Abdampfturbinen) for the USSR and 30 for Poland. These turbines are for use in conjunction with reciprocating steam engines which are being built by the Buckau-Wolf (SAG AMO) for installation on ships. The turbines will be sold for about 150,000 DM each. The gearings for the turbines are being made by the Peniger Maschinenfabrik (SAG AMO).

CONFIDENTIAL~~SECRET~~/CONTROL - U.S. OFFICIALS ONLY

CONFIDENTIAL

~~SECRET~~/CONTROL - U.S. OFFICIALS ONLY

-3-

6. The G-18-A gas turbine is still in the factory. The runner wheels have not yet arrived from the USSR. The Russian engineer Blondin still appears periodically in the factory to inspect the turbine.
7. The EKM Gruppen-Konstruktionsbuero fuer Stroemungsmaschinen (EKS), which occupies rooms inside the factory compound is engaged on 14 research projects, and the following design projects:
 - a. 4 suction draft blowers, 1,600 rpm, for Klingenberg.*
 - b. 8 suction draft blowers, for Hungary (1,600 rpm).
 - c. 1 suction draft blower for Espenhain.** (2,500 rpm).
 - d. 1 exhaust steam Bauer-Wach turbine of ca. 600 hp for VVB Hochsee-Schiffbau.
 - e. The design of 90 exhaust steam turbines for the USSR and 30 for Poland.
 - f. 1 spur gear bevel gearing (Stirnradwinkelgetriebe), for a suction draft blower for Chemnitz.*
 - g. The design of three large Kaplan* impulse turbines.
 - h. 1 two-stage axial blower for the Leuna-Werke Walter Ulbricht, Merseburg (SAG Mineralduenger).

50X1-HUM

** Comment: Possibly Kombinat Espenhain (SAG Brikett).

CONFIDENTIAL

~~SECRET~~/CONTROL - U.S. OFFICIALS ONLY

50X1-HUM

Page Denied

Next 44 Page(s) In Document Denied